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AMSAT NEWS SERVICE
ANS-148

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The AMSAT News Service bulletins are a free, weekly news and information service of AMSAT, The Radio Amateur Satellite Corporation. ANS publishes news related to Amateur Radio in Space including reports on the activities of a worldwide group of Amateur Radio operators who share an active interest in designing, building, launching and communicating through analog and digital Amateur Radio satellites.

The news feed on http://www.amsat.org publishes news of Amateur Radio in Space as soon as our volunteers can post it.

Please send any amateur satellite news or reports to: ans-editor [at] amsat.org

You can sign up for free e-mail delivery of the AMSAT News Service Bulletins via the ANS List; to join this list see: https://mailman.amsat.org/postorius/lists/ans.amsat.org/

ANS-148 AMSAT News Service Weekly Bulletins

To: All RADIO AMATEURS
From: Radio Amateur Satellite Corporation
712 H Street NE, Suite 1653
Washington, DC 20002

DATE 2023 May 28

2023 Hamvention Wrap-Up

The 2023 Dayton Hamvention is in the books! It was a great weekend in Xenia, OH and at the various other events in the surrounding area. The AMSAT booth and satellite demo area saw continuous traffic and attendees had an excellent time at the informal AMSAT Dinner at Tickets on Thursday evening and the TAPR/AMSAT Banquet on Friday evening.

The AMSAT forum from Saturday afternoon can be viewed at https://www.youtube.com/watch?v=KTYTVTzJlXk&t=14680s (the ARISS forum precedes the AMSAT forum, so you can back up the live stream to view that)

The video presented at the AMSAT forum featuring AMSAT engineers can be viewed at https://www.youtube.com/watch?v=f6zTtJZPfL8

Grace Papay, KE8RJU, gave a talk at the Youth Forum on "Amateur Radio Satellites Both Near and Far" and her presentation can be viewed at https://www.youtube.com/watch?v=1U-jsYYHY8w&t

We hope everyone enjoyed Hamvention this year and hope to see everyone in Xenia next May!

[ANS thanks the AMSAT Hamvention Team for the above information]

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The ISS callsign is presently scheduled to be RSØISS
The downlink frequency is presently scheduled to be 145.800 MHz
The scheduled crewmember is Dmitry Petelin
The ARISS mentor is RV3DR
Contact is go for Thu 2023-06-01 08:10 UTC

Saint Petersburg, Russia, direct via TBD

The ISS callsign is presently scheduled to be RSØISS
The downlink frequency is presently scheduled to be 145.800 MHz
The scheduled crewmember is Sergey Prokopyev
The ARISS mentor is RV3DR
Contact is go for Sat 2023-06-10 10:15 UTC

The crossband repeater continues to be active. If any crewmember is so inclined, all they have to do is pick up the microphone, raise the volume up, and talk on the crossband repeater. So give a listen, you just never know.

Comments on making general contacts

I have been seeing a lot of traffic on Facebook and I suspect on other social media sites with people asking why they are not hearing the crew make general contacts. First off the crew is very busy on the ISS and they simply may not have the time to just pick up the microphone and talk. Also, one needs to be aware of their normal daily schedule. I have listed below the constraints that we at ARISS have to follow in order to schedule the school contacts. Hopefully this will help you better schedule your opportunities.

Typical daily schedule

Wakeup to Workday start= 1.5 hours
Workday start to Workday end=12 hours
Workday end to Sleep= 2 hours
Sleep to wakeup= 8.5 hours

The crew's usual waking period is 0730 - 1930 UTC. The most common times to find a crew member making casual periods are about one hour after waking and before sleeping, when they have personal time. They're usually free most of the weekend, as well.

SSTV events are not that often. So please check out https://www.ariss.org/ for the latest information or watch for the ARISS announcements.

And don’t forget that the packet system is active.

As always, if there is an EVA, a docking, or an undocking; the ARISS radios are turned off as part of the safety protocol.

ARISS Radio Status

Columbus Module radios:
IORS (Kenwood D710GA) – STATUS - Configured. Default mode is for cross band repeater (145.990 MHz up {PL 67} & 437.800 MHz down).
* Powering off for U.S. EVA targeting June 09. OFF June 08 about TBD. ON June 10 about TBD.
* Powering off for Russian EVA targeting June 28. OFF June 27 about TBD. ON June 29 about TBD.
* Powering off for Russian EVA targeting July 26. OFF July 25 about TBD. ON July 27 about TBD.
* Capable of supporting USOS scheduled voice contacts, packet and voice repeater ops.

Service Module radios:
IORS (Kenwood D710GA) – STATUS - Configured. Default mode is fo packet operations (145.825 MHz up & down)
* Powering off for U.S. EVA targeting June 09. OFF June 08 about TBD. ON June 10 about TBD.
* Powering off for Russian EVA targeting June 28. OFF June 27 about TBD. ON June 29 about TBD.
* Powering off for Russian EVA targeting July 26. OFF July 25 about TBD. ON July 27 about TBD.
* Capable of supporting ROS scheduled voice contacts, packet, SSTV and voice repeater ops.

The latest information on the operation mode can be found at https://www.ariss.org/current-status-of-iss-stations.html

The latest list of frequencies in use can be found at https://www.ariss.org/contact-the-iss.html

[ANS thanks Charlie Sufana, AJ9N, one of the ARISS operation team mentors for the above information]

Upcoming Satellite Operations

>From Mike, N8MR:

I will be in EN84, EN85 and EN76 from Friday, May 26 thru Monday, May 29. Using an Icom 9700, Arrow antenna and SAT controller. Listening for Europe for eastern passes. All QSOs going to LoTW as N8MR.

Major Roves:
I post ’em as soon as I know about ’em. Just be aware that I still work roughly 60 hours a week. Tnx!

Please submit any additions or corrections to k5zm (at) comcast (dot) net.

[ANS thanks Ian Parsons, K5ZM, AMSAT rover page manager, for the above information]

Hamfests, Conventions, Maker Faires, and Other Events

AMSAT Ambassadors provide presentations, demonstrate communicating through amateur satellites, and host information tables at club meetings, hamfests, conventions, maker faires, and other events.

+ AMSAT Space Symposium and Annual General Meeting
  October 20-21, 2013
  Dallas, Texas

AMSAT Ambassadors provide presentations, demonstrate communicating through amateur satellites, and host information tables at club meetings, hamfests, conventions, maker faires, and other events.

AMSAT Ambassador Clint Bradford, K6LCS, says,

"Think a 75-minute presentation on "working the easy satellites" would be appropriate for your club or event? Let me know by emailing me at k6lcsclint (at) gmail (dot) com or calling me at 909-999-SATS (7287)!"

Clint has NEVER given the exact same show twice: EACH of the 150+ presentations so far has been customized/tailored to their audiences. An

email message received after a recent presentation:

"I really enjoyed Clint's presentation last night. The fact that he had taken the time to research and know something about his audience and welcomed interaction made it very informative and enjoyable. This was a refreshing change from many canned YouTube presentations I've tried to watch, which were poorly done, fuzzy video or muddy audio, or a badly prepared presenter stumbling his way through, with any valuable info lost along the way. Thanks for hooking this one up."

[ANS thanks Clint Bradford, K6LCS, and AMSAT for the above information]

Satellite Shorts From All Over

+ John Shoffner, KO4MJC, pilot of the Axios Space AX-2 mission, was reported to have made casual QSOs from the ISS via the ISS repeater on May 25, 2023. (Thanks to ARISS for this information)

+ The Tevel-3 and Tevel-6 satellites will be active through May 29, 2023 at 18:35 UTC.
Downlink frequency = 436.400 MHz, Uplink frequency = 145.970MHz NO PL tone.
(Thanks David Greenberg, 4X1DG, for this information)

+ Four CubeSats developed by the Korea Astronomy and Space Science Institute (KASI) were launched on a Korean NURI rocket this past week. These CubeSats were not IARU coordinated and the downlink of one of the satellites is on 437.800 MHz. This has the potential to cause QRM to the ISS FM repeater. (Thanks PE0SAT for the above information)

+ URESAT Antonio de Nebrija is expected to launch on the SpaceX Transporter-8 mission on June 8th. Details available at https://www-ure-es.translate.goog/uresat-antonio-de-nebrija-sera-lanzado-el-8-de-junio/?_x_tr_sl=auto&_x_tr_tl=en&_x_tr_hl=en-GB
(Thanks to URE for the above information)

Join AMSAT today at https://launch.amsat.org/

In addition to regular membership, AMSAT offers membership to:

* Societies (a recognized group, clubs or organization).
* Primary and secondary school students are eligible for membership at one-half the standard yearly rate.
* Post-secondary school students enrolled in at least half time status shall be eligible for the student rate for a maximum of 6 post-secondary years in this status.
* Memberships are available for annual and lifetime terms.

Contact info [at] amsat.org for additional membership information.

73 and remember to help Keep Amateur Radio in Space!

This week's ANS Editor,

Paul Stoetzer, N8HM
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